

APPARATUS AND METHOD FOR PROVIDING A MODULAR SLIDING
DOOR MECHANISM

ABSTRACT

A modular drive assembly for a sliding door, comprising: a guide track having a hinge slidably received therein; a pair of pulleys disposed on either end of the guide track; a pair of cables each having an end that is secured to the hinge and the other end is secured to a cable drum of a motor drive unit mounted to the guide track, the motor drive unit being configured to rotate the cable drum, wherein the cable drum is also capable of freely rotating within the motor drive unit when the motor drive unit is not rotating the cable drum, wherein rotation of the cable drum causes the hinge to move in the guide track as one of the cables wraps onto the cable drum while the other one of the cables wraps off of the cable drum.